

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	152	209/589	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:05
S2	77	S1 and x adj ray	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:13
S3	46	("3937953" "4317521" "4606760" "4655437" "4834870" "4848590" "4869811" "5060871" "5236092" "5260576" "5418826" "5424959" "5520290" "5570406" "5663997" "5676256" "5738224" "5902177" "5931308" "6266390" "6519315" "6545240").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:07
S4	18	S2 and atomic and elements	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:15
S5	13	S2 and optical and emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:15
S6	15	("4693377"   "4799786"   "4875771"   "4900147"   "4919533"   "5118181"   "5143224"   "5206699"   "5351117").PN. OR ("5628410").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 13:25
S7	10	("4799786"   "4875771"   "4900147"   "4919533"   "5118181"   "5143224"   "5206699"   "5351117").PN. OR ("5505313").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 13:18
S8	3	S6 and plasma	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 13:20
S9	9	(S6 or S7) and conveyor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:21

## EAST Search History

S10	3	S9 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:23
S11	2	S10 and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:25
S12	8	S6 and "x-rays"	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 13:25
S13	6	S12 and conveyor	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/09 13:25
S14	15	("5628410" "5505313" "6753957" "6545240")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:32
S15	5	S14 and (x adj ray or "x-ray")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/09 13:33
S16	15	("4693377"   "4799786"   "4875771"   "4900147"   "4919533"   "5118181"   "5143224"   "5206699"   "5351117").PN. OR ("5628410").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/10 11:34
S17	10	("4799786"   "4875771"   "4900147"   "4919533"   "5118181"   "5143224"   "5206699"   "5351117").PN. OR ("5505313").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/10 11:34
S18	9	(S16 or S17) and conveyor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 11:34
S19	3	S18 and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 11:34

## EAST Search History

S20	3	S19	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 11:34
S21	46	("3937953" "4317521" "4606760" "4655437" "4834870" "4848590" "4869811" "5060871" "5236092" "5260576" "5418826" "5424959" "5520290" "5570406" "5663997" "5676256" "5738224" "5902177" "5931308" "6266390" "6519315" "6545240").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:27
S22	46	S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 13:27
S23	46	("3937953" "4317521" "4606760" "4655437" "4834870" "4848590" "4869811" "5060871" "5236092" "5260576" "5418826" "5424959" "5520290" "5570406" "5663997" "5676256" "5738224" "5902177" "5931308" "6266390" "6519315" "6545240").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/10 16:12
S24	46	("3937953" "4317521" "4606760" "4655437" "4834870" "4848590" "4869811" "5060871" "5236092" "5260576" "5418826" "5424959" "5520290" "5570406" "5663997" "5676256" "5738224" "5902177" "5931308" "6266390" "6519315" "6545240").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:37
S25	46	S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:38
S26	1	"4365153" and siegel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:44
S27	7	"5410154" and broicher	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:43

## EAST Search History

S28	14	alexander and "5847825"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:39
S29	2	potzchke and "5042947"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:43
S30	17	356/318 and detecting and "x-rays" and optical adj emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:48
S31	0	S30 and "209"/\$.cls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:47
S32	3	209/579 and detecting and "x-rays" and optical adj emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:49
S33	1	209/589 and detecting and "x-rays" and optical adj emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:49
S34	15	209/589 and sorting and "x-rays" and classification	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 08:56
S35	23	209/589 and laser and "x-ray"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:00

## EAST Search History

S36	92	("0719751"   "1090948"   "1367199"   "1846327"   "1957231"   "2186652"   "2453977"   "2464449"   "2794551"   "2873854"   "2895064"   "2982405"   "2982406"   "2984350"   "2997158"   "3052999"   "3178008"   "3197027"   "3225898"   "3225902"   "3231941"   "3261451"   "3276570"   "3308856"   "3333678"   "3348659"   "3366248"   "3439795"   "3467239"   "3528136"   "3682295"   "3716128"   "3727690"   "3737953"   "3793677"   "3794155"   "3812965"   "3920117"   "4074392"   "4078655"   "4106628"   "4146135"   "4171051"   "4194634"   "4228901"   "4249661"   "4260506"   "4324335"   "4383604"   "4394901"   "4398318"   "4561546"   "4685557"   "4688678"   "4741430"   "4869813").PN. OR ("5139150").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/11 09:27
S37	1	209/589 and laser and "x-ray" and peleg	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:25
S38	6	209/589 and laser and "x-ray" and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:01
S39	2	(209/579.ccls. or 209/589.ccls.) and plasma and emissions and (class or classify or classifying or classifications) and (detecting or detect or detects) and (xrays or x adj ray or "x-ray")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 17:48
S40	202	laser and (vaporize or vaporizing or vaporization) and plasma and emissions and (class or classify or classifying or classifications) and (detecting or detect or detects) and (xrays or x adj ray or "x-ray")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 17:48
S44	22	S40 and (fluoresce or fluoresced or fluorescing) and optical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 17:45

## EAST Search History

S45	0	S40 and "209"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 17:47
S46	52	"356"/\$.ccls. and plasma and emissions and (class or classify or classifying or classifications) and (detecting or detect or detects) and (xrays or x adj ray or "x-ray")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:21
S47	4	S46 and vaporization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:23
S48	2	lasers and vaporization and (fluoresce or fluorescing or fluoresced) and plasma and optical adj emission	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:25
S49	3	lasers and (vaporization or vaporize or vaporizing) and (fluoresce or fluorescing or fluoresced) and plasma and optical adj emission	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:25
S50	27	("4050574"   "4061020"   "4082188"   "4106628"   "4135619"   "4221297"   "Re25894").PN. OR ("4884696").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 18:26
S51	0	S50 and (vaporization or vaporize or vaporized or vapor\$5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 18:30
S52	739	209/576	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/04 18:30
S53	46	("3937953" "4317521" "4606760" "4655437" "4834870" "4848590" "4869811" "5060871" "5236092" "5260576" "5418826" "5424959" "5520290" "5570406" "5663997" "5676256" "5738224" "5902177" "5931308" "6266390" "6519315" "6545240").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:37

## EAST Search History

S54	1	S53 and lasers and (vaporization or vaporizing or vaporized or vapor\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 11:32
S55	6	(sorting or classifying or classification) and plasma and vaporization and optical adj emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:59
S56	0	(sorting or classifying or classification) and plasma and vaporization and optical adj emissions and (xray or x adj ray or "x-ray")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/04 18:59
S57	1477	(classification or classifying) and (xray or x adj ray or "x-ray") and optical and emissions and (detecting or detection or detect or detected)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 10:47
S58	204	S57 and (estimating or estimated or estimate) and peak same values and (spectra or spectrum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 10:54
S59	7	grodzins and "x-ray" and optical and (classifying or classification)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 10:55
S60	28	plasma and lasers and classification and "209"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 11:33
S61	0	shape adj fitting and function and values and spectoroscropy and "209"/\$.ccls. and emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 15:09

## EAST Search History

S62	0	shape adj fitting and function and values and "209"/\$.ccls. and emissions	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 15:29
S63	8	209/579.ccls. and conveyors and belt same plurality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/05 15:30